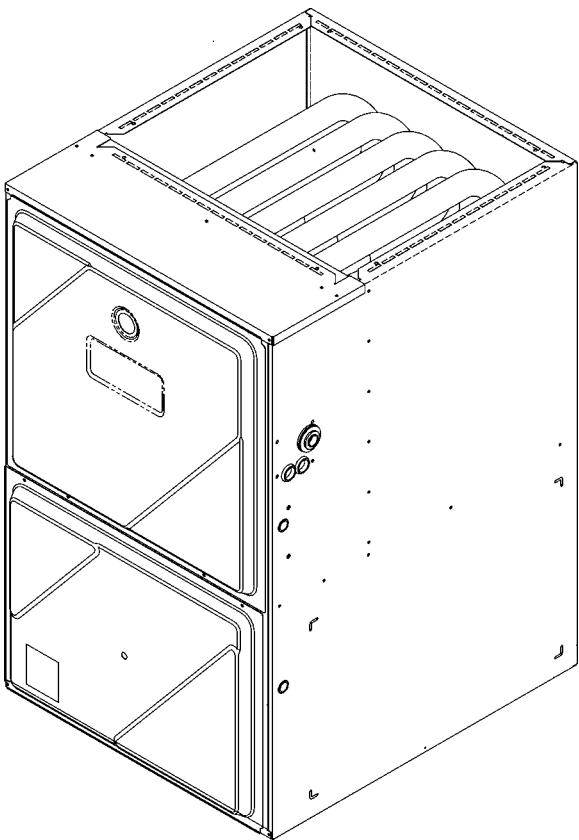


REPAIR PARTS

***CVC9 90% C'Flow 2-Stage
Variable Speed Furnace**

ACVC90704CXAA
ACVC90704CXAB
ACVC90905DXAA
ACVC90905DXAB
ACVC950714CXAA
ACVC950915DXAA
GCVC90704CXAA
GCVC90704CXAB
GCVC90905DXAA
GCVC90905DXAB
GCVC91155DXAA
GCVC91155DXAB
GCVC950714CXAA
GCVC950915DXAA



This manual is to be used by qualified technicians only.

This manual replaces RP-508B

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Important Information

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Views shown are for parts illustrations only, not servicing procedures.

Revision C: Changed ACVC950704CXAA to ACVC950714CXAA; changed ACVC950905DXAA to ACVC950915DXAA; changed GCVC950704CXAA to GCVC950714CXAA; changed GCVC950905DXAA to GCVC950915DXAA.

Text Codes:

AR - As Required

NA - Not Available

NS - Not Shown

00000000 - See Note

QTY - Quantity Example (QTY 3) (If Quantity not shown, Quantity = 1)

M - Model Example (M1) (If M Code not shown, then part is used on all Models)

Expanded Model Nomenclature:

Example

M1 - Model#1

M2 - Model#2

M3 - Model#3

Goodman Manufacturing Company, L.P. is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Goodman Manufacturing Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

For assistance within the U.S.A. contact:

Consumer Affairs Department

Goodman Manufacturing Company, L.P.

7401 Security Way

Houston, Texas 77040

877-254-4729-Telephone

713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division

Goodman Manufacturing Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

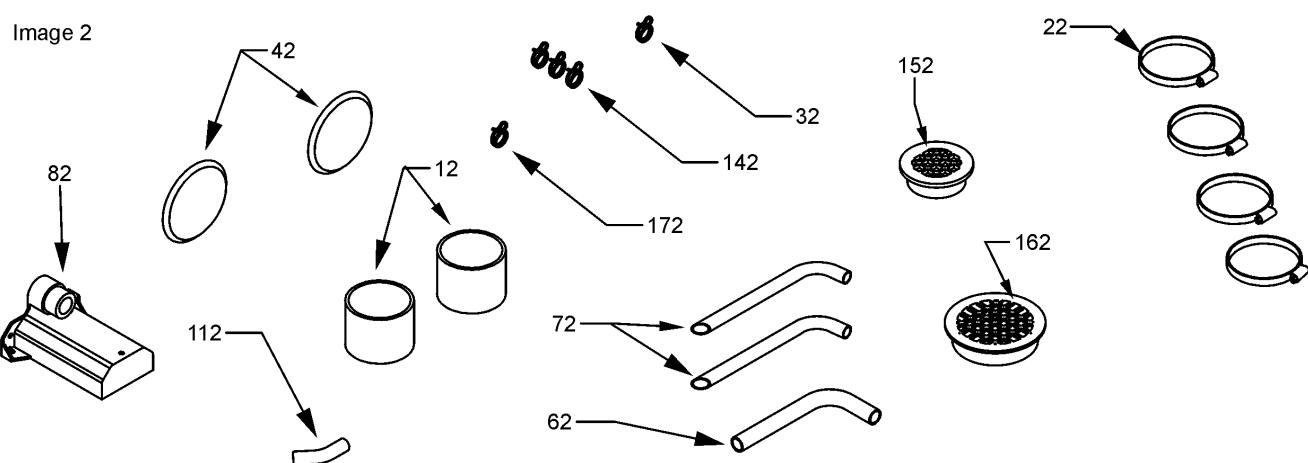
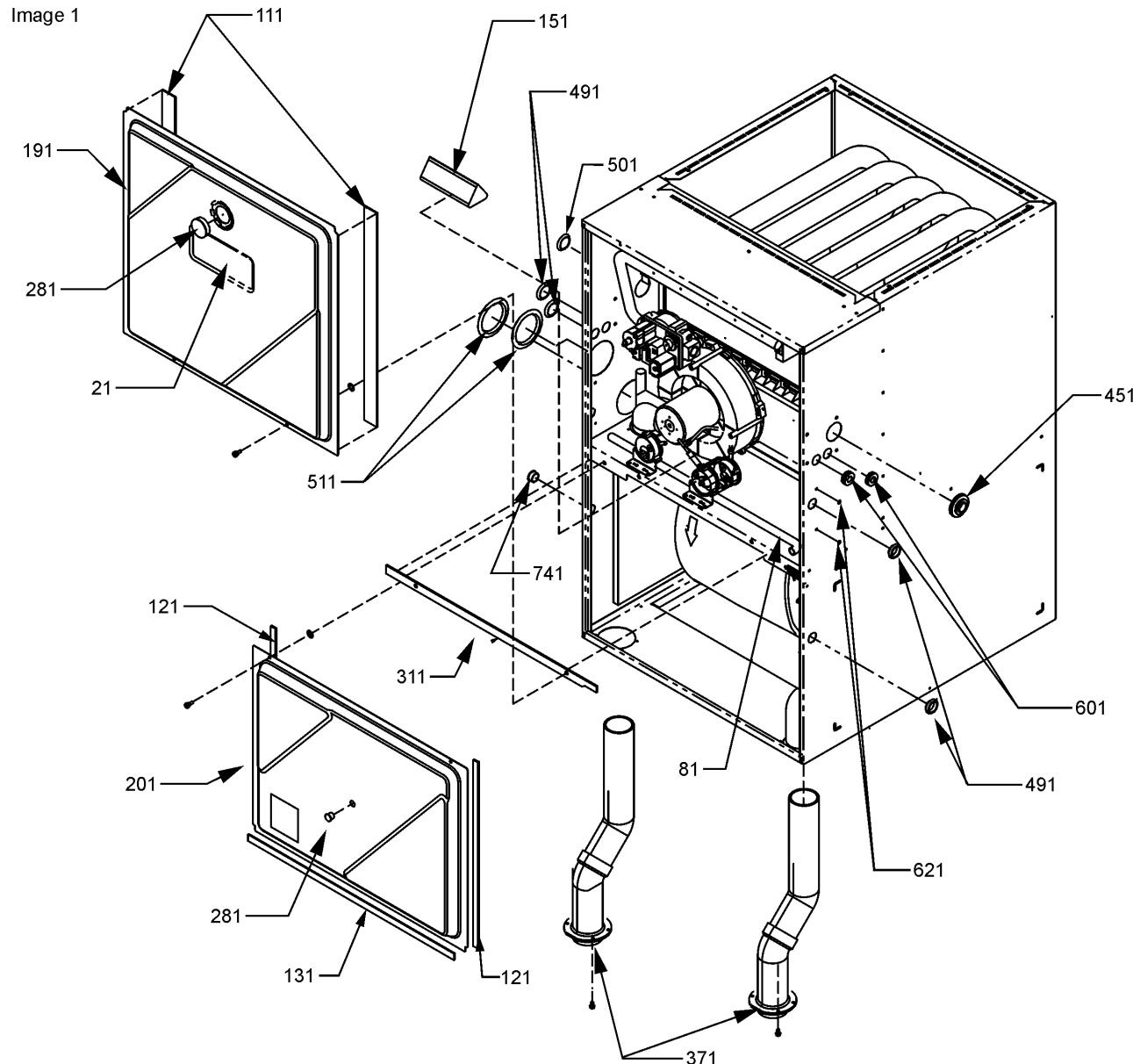
Functional Parts

Part No:	Description:		
10735102S	BECKETT BURNER (QTY AR)	IO-341B	INSTALLATION INSTRUCTIONS (M2, M4, M8, M10, M12)
D6723311S	BLOWER WHEEL (M3, M4, M6, M9, M10, M11, M12, M14)	IO-341C	INSTALLATION INSTRUCTIONS (M5, M6, M13, M14)
B1368047A	BLOWER WHEEL 10 X 10 (M1, M2, M5, M7, M8, M13)	IO-661	INSTALLATION INSTRUCTIONS Expanded Model Nomenclature
0130F00010	FLAME SENSOR	M1 - ACVC90704CXAA M2 - ACVC90704CXAB M3 - ACVC90905DXAA M4 - ACVC90905DXAB M5 - ACVC950714CXAA M6 - ACVC950915DXAA M7 - GCVC90704CXAA M8 - GCVC90704CXAB M9 - GCVC90905DXAA M10 - GCVC90905DXAB M11 - GCVC91155DXAA M12 - GCVC91155DXAB M13 - GCVC950714CXAA M14 - GCVC950915DXAA	
0151M00014	GAS VALVE - HONEYWELL 2-STAGE (M2, M4, M5, M6, M8, M10, M12, M13, M14)		
0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE (M1, M3, M7, M9, M11)		
20245903S	ID BLOWER		
B1141666	INDUCTOR-5.9 AMP		
B1370818	INTERLOCK SWITCH		
0130F00105	LIMIT SWITCH (M6, M14)		
10123517	MANUAL RESET LIMIT (M3, M4, M5, M6, M9, M10, M11, M12, M13, M14)		
10123536	MANUAL RESET LIMIT 180°F (M3, M4, M9, M10, M11, M12)		
10123534	MANUAL RESET LIMIT 220°F (M1, M2, M7, M8)		
10123534	MANUAL RESET LIMIT 220°F (M1, M2, M7, M8)		
0131M00113S	MOTOR, 1 HP SERIAL ECM (M3, M4, M6, M9, M10, M11, M12, M14)		
0131M00112S	MOTOR, 3/4 HP SERIAL ECM (M1, M2, M5, M7, M8, M13)		
10716003	ORIFICE (QTY AR)		
PCBKF101S	PCB, CONTROL, FURNACE		
0130F00100	PRESSURE SWITCH (M5, M6, M13, M14)		
0130F00070	PRESSURE SWITCH (M5, M6, M13, M14)		
20197313	PRESSURE SWITCH-PINK (M1, M2, M3, M4, M7, M8, M9, M10, M11, M12)		
11177118	PRESURE SWITCH-LIME (M1, M2, M3, M4, M7, M8, M9, M10, M11, M12)		
20162903	PRIMARY LIMIT - BLUE (M1, M2, M7, M8)		
20162908	PRIMARY LIMIT - GREEN (M3, M4, M9, M10)		
0130F00038	PRIMARY LIMIT - LT BLUE 120° (M6, M14)		
0130F00038	PRIMARY LIMIT - LT BLUE 120° (M5, M13)		
20162904	PRIMARY LIMIT-TEMPERATURE CONTROL (M5, M13)		
20162905	PRIMARY LIMIT-YELLOW (M11, M12)		
0130F00008S	SINI IGNITOR		
B1141605	TRANSFORMER 120V TO 24V, 40 VA		

SPECIAL PARTS

HI-124	HOMEOWNERS INSTRUCTIONS
IO-341A	INSTALLATION INSTRUCTIONS (M1, M3, M7, M9, M11)

Cabinet



Cabinet

Ref. Part No:	Part No:	Description:	Ref. Part No:	Part No:	Description:
<i>Image 1:</i>					
21	0161M00003P	AMANA NAMEPLATE (M1, M2, M3, M4, M5, M6)			Expanded Model Nomenclature
21	0161F00000P	GOODMAN NAMEPLATE (M7, M8, M9, M10, M11, M12, M13, M14)			M1 - ACVC90704CXAA M2 - ACVC90704CXAB M3 - ACVC90905DXAA M4 - ACVC90905DXAB M5 - ACVC950714CXAA M6 - ACVC950915DXAA M7 - GCVC90704CXAA M8 - GCVC90704CXAB M9 - GCVC90905DXAA M10 - GCVC90905DXAB M11 - GCVC91155DXAA M12 - GCVC91155DXAB M13 - GCVC950714CXAA M14 - GCVC950915DXAA
81	20201902	DRAIN HOSE			
111	20179308	GASKET (QTY 2)			
121	20179311	GASKET (QTY 2)			
131	20179312	GASKET (M1, M2, M5, M7, M8, M13)			
131	20179313	GASKET (M3, M4, M6, M9, M10, M11, M12, M14)			
151	10195518Q	STANDPIPE BAG ASSY			
191	0121F00067LG	ACCESS DOOR (M1, M2, M5)			
191	0121F00068LG	ACCESS DOOR (M3, M4, M6)			
191	0121F00073DGS	ACCESS DOOR (M7, M8, M13)			
191	0121F00074DGS	ACCESS DOOR (M9, M10, M11, M12, M14)			
201	0121F00064LGS	BLOWER DOOR (M1, M2, M5)			
201	0121F00065LGS	BLOWER DOOR (M3, M4, M6)			
201	0121F00070DGS	BLOWER DOOR (M7, M8, M13)			
201	0121F00071DGS	BLOWER DOOR (M9, M10, M11, M12, M14)			
281	B1392139	VIEW PORT BUSHING-BLOWER DOOR (QTY 2)			
311	22320002	DECK GASKET (M1, M2, M5, M7, M8, M13)			
311	22320003	DECK GASKET (M3, M4, M6, M9, M10, M11, M12, M14)			
371	22309502	FLUE PIPE (QTY 2)			
451	M0501301	PIPE GROMMET			
491	M0570808	BUTTON PLUG (QTY 4)			
501	M0570806	BUTTON PLUG			
511	M0570807	BUTTON PLUG (QTY 2)			
601	A4691701	GROMMET (QTY 2)			
621	M0310345	BUTTON PLUG (QTY 2)			
741	B1392104	UNIVERSAL BUSHING UB 875			
<i>Image 2:</i>					
12	10254303	RUBBER COUPLING (QTY 2)			
22	0163M00049	HOSE CLAMP (QTY 4)			
32	M0119207	HOSE CLAMP			
42	M0570807	BUTTON PLUG (QTY 2)			
62	20201901	DRAIN HOSE			
72	20201802	DRAIN TUBE (QTY 2)			
82	20171701	DRAIN TRAP			
112	20214203	DRAIN ANGLE			
142	M0119205	HOSE CLAMP (QTY 3)			
152	B2810816	2" MESH INSERT			
162	B2810814	3" MESH INSERT			
172	M0119206	HOSE CLAMP			

Blower Assembly

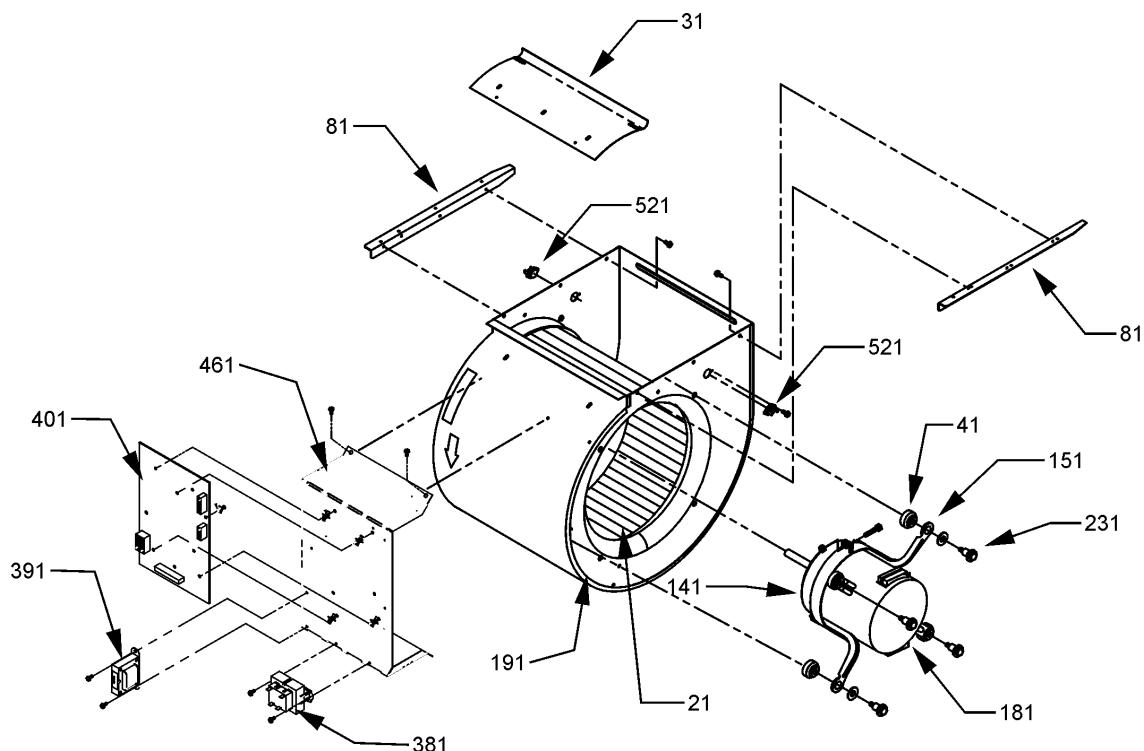
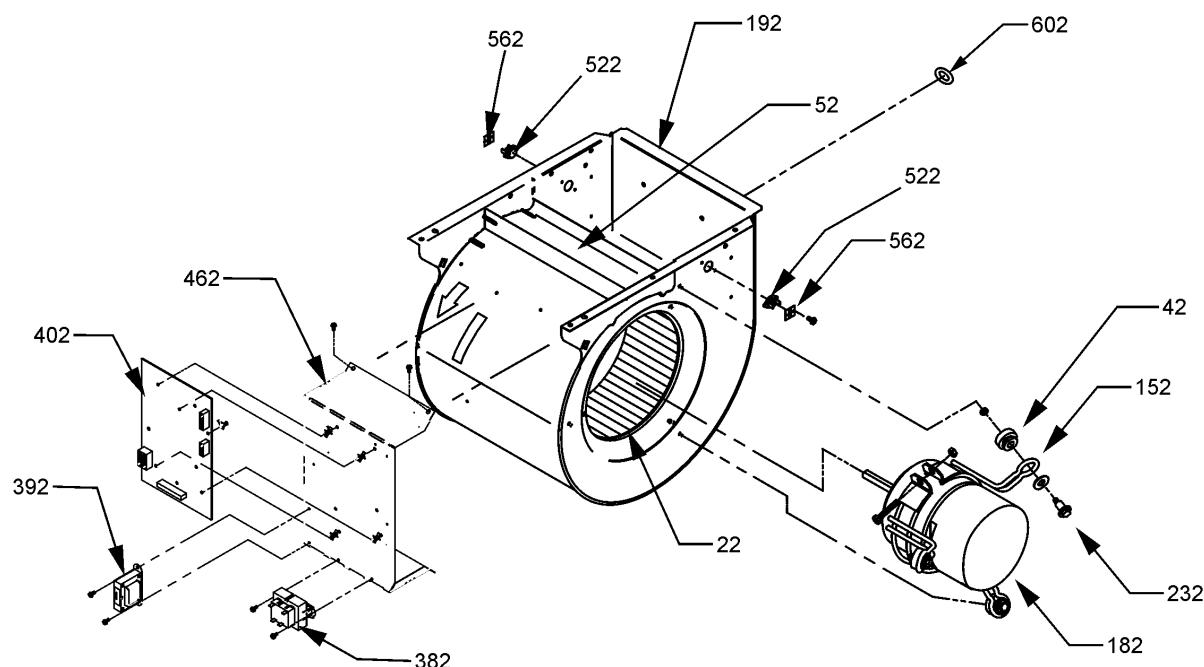


Image 1

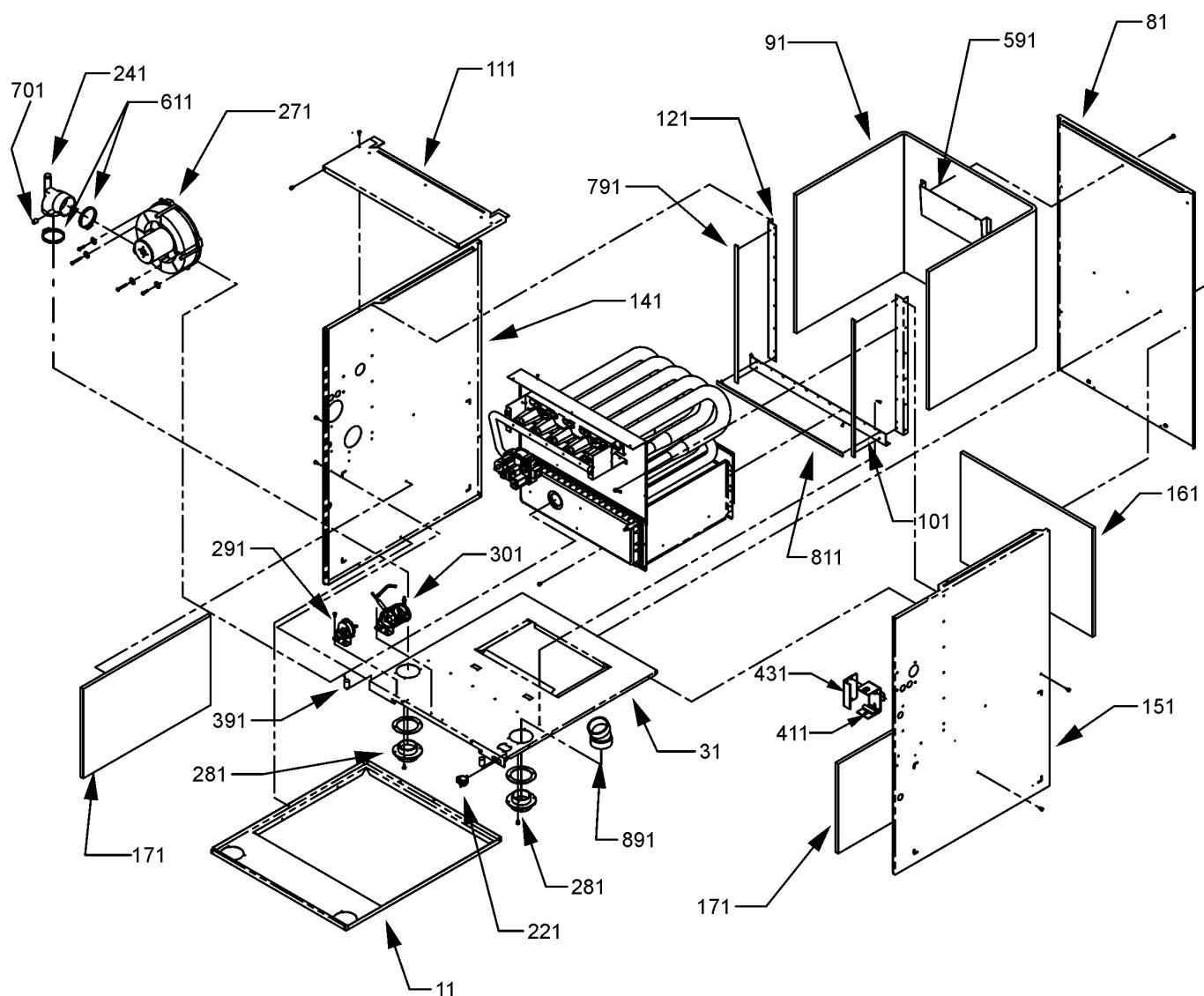
Image 2



Blower Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		<i>Image 2:</i>	
21 D6723311S	BLOWER WHEEL (M3, M4, M6, M9, M10, M11, M12, M14)	NS 0259F00040	CONTROL HARNESS
31 C6121807	BLOWER CUT-OFF (M3, M4, M6, M9, M10, M11, M12, M14)	NS 0159F00012	HARNESS, WIRING
41 A4002702	BLOWER MOTOR GROMMET (M3, M4, M6, M9, M10, M11, M12, M14)	NS 0259F00041	POWER HARNESS
81 20175101	BLOWER SIDE RAIL (M3, M4, M6, M9, M10, M11, M12, M14)	NS 0259F00024	WIRE HARNESS-BLOWER
141 10441601	MOTOR MOUNT BAND (M3, M4, M6, M9, M10, M11, M12, M14)	Expanded Model Nomenclature	
151 10441501	MOTOR MOUNT ARM (M3, M4, M6, M9, M10, M11, M12, M14)	M1 - ACVC90704CXAA	
181 0131M00113S	MOTOR, 1 HP SERIAL ECM (M3, M4, M6, M9, M10, M11, M12, M14)	M2 - ACVC90704CXAB	
191 0271F00047	BLOWER HOUSING ASSY 11 X 10 (M3, M4, M6, M9, M10, M11, M12, M14)	M3 - ACVC90905DXAA	
231 M0221461	TC SCREW (M3, M4, M6, M9, M10, M11, M12, M14)	M4 - ACVC90905DXAB	
381 B1141605	TRANSFORMER 120V TO 24V, 40 VA	M5 - ACVC950714CXAA	
391 B1141666	INDUCTOR-5.9 AMP	M6 - ACVC950915DXAA	
401 PCBKF101S	PCB, CONTROL, FURNACE	M7 - GCVC90704CXAA	
461 0121F00094	CONTROL MOUNT PANEL	M8 - GCVC90704CXAB	
521 10123536	MANUAL RESET LIMIT 180°F (M3, M4, M9, M10, M11, M12)	M9 - GCVC90905DXAA	
521 0130F00038	PRIMARY LIMIT - LT BLUE 120° (M6, M14)	M10 - GCVC90905DXAB	
NS 0259F00040	CONTROL HARNESS	M11 - GCVC91155DXAA	
NS 0159F00012	HARNESS, WIRING	M12 - GCVC91155DXAB	
NS 0259F00041	POWER HARNESS	M13 - GCVC950714CXAA	
NS 0259F00024	WIRE HARNESS-BLOWER	M14 - GCVC950915DXAA	
<i>Image 2:</i>			
22 B1368047A	BLOWER WHEEL 10 X 10 (M1, M2, M5, M7, M8, M13)		
42 A4002702	BLOWER MOTOR GROMMET (M1, M2, M5, M7, M8, M13)		
52 764741F	BLOWER BLOCK-OFF 10 X 10 (M1, M2, M5, M7, M8, M13)		
152 C9443702	MOTOR MOUNT BRACKET (M1, M2, M5, M7, M8, M13)		
182 0131M00112S	MOTOR, 3/4 HP SERIAL ECM (M1, M2, M5, M7, M8, M13)		
192 0271F00004P	BLOWER HOUSING ASSY 10 X 10 (M1, M2, M5, M7, M8, M13)		
232 M0221461	TC SCREW (M1, M2, M5, M7, M8, M13)		
382 B1141605	TRANSFORMER 120V TO 24V, 40 VA		
392 B1141666	INDUCTOR-5.9 AMP		
402 PCBKF101S	PCB, CONTROL, FURNACE		
462 0121F00094	CONTROL MOUNT PANEL		
522 10123534	MANUAL RESET LIMIT 220°F (M1, M2, M7, M8)		
522 0130F00038	PRIMARY LIMIT - LT BLUE 120° (M5, M13)		
562 2509503F	AUXILIARY LIMIT BRACKET (M1, M2, M7, M8)		
602 B1392021	PLASTIC PLUG, 1" (2713-BLK) (M1, M2, M5, M7, M8, M13)		

Chassis



Chassis

Ref. Part No:	Part No:	Description:	Ref. Part No:	Part No:	Description:
<i>Image 1:</i>					
11	20273510	BASE PAN (M1, M2, M5, M7, M8, M13)	NS	0164M00013	PRESSURE SWITCH HOSE (M3, M4, M6, M9, M10, M11, M12, M14)
11	20273512	BASE PAN (M3, M4, M6, M9, M10, M11, M12, M14)			Expanded Model Nomenclature
31	0121F00046	BLOWER DECK (M1, M2, M5, M7, M8, M13)			M1 - ACVC90704CXAA
31	0121F00049	BLOWER DECK (M3, M4, M6, M9, M10, M11, M12, M14)			M2 - ACVC90704CXAB
81	20273216	BACK PANEL (M1, M2, M5, M7, M8, M13)			M3 - ACVC90905DXAA
81	20273218	BACK PANEL (M3, M4, M6, M9, M10, M11, M12, M14)			M4 - ACVC90905DXAB
91	C6415909	HEAT EXCHANGER INSULATION (M3, M4, M6, M9, M10, M11, M12, M14)			M5 - ACVC950714CXAA
91	C6415911	HEAT EXCHANGER INSULATION (M1, M2, M5, M7, M8, M13)			M6 - ACVC950915DXAA
101	0121F00019P	DECK RAIL (M1, M2, M5, M7, M8, M13)			M7 - GCVC90704CXAA
101	20191303	DECK RAIL (M3, M4, M6, M9, M10, M11, M12, M14)			M8 - GCVC90704CXAB
111	0270F00104PS	TOP COVER ASSY (M1, M2, M5, M7, M8, M13)			M9 - GCVC90905DXAA
111	0270F00105P	TOP COVER ASSY (M3, M4, M6, M9, M10, M11, M12, M14)			M10 - GCVC90905DXAB
121	20191603	SIDE RAIL (M1, M2, M5, M7, M8, M13)			M11 - GCVC91155DXAA
121	20191604	SIDE RAIL (M3, M4, M6, M9, M10, M11, M12, M14)			M12 - GCVC91155DXAB
141	0121F00093DG	SIDE PANEL LH			M13 - GCVC950714CXAA
151	0121F00091DG	SIDE PANEL RH			M14 - GCVC950915DXAA
161	20006602	INSULATION (M1, M2, M5, M7, M8, M13)			
161	20006603	INSULATION (M3, M4, M6, M9, M10, M11, M12, M14)			
171	20006604	SIDE INSULATION (QTY 2)			
221	B1370818	INTERLOCK SWITCH			
241	20171802S	ELBOW			
271	20245903S	ID BLOWER			
281	20049701	FA COUPLING (QTY 2)			
291	0130F00070	PRESSURE SWITCH (M5, M6, M13, M14)			
291	20197313	PRESSURE SWITCH-PINK (M1, M2, M3, M4, M7, M8, M9, M10, M11, M12)			
301	0130F00100	PRESSURE SWITCH (M5, M6, M13, M14)			
301	11177118	PRESURE SWITCH-LIME (M1, M2, M3, M4, M7, M8, M9, M10, M11, M12)			
391	M0275521	PLASTIC SEALER			
411	0161F00004S	JUNCTION BOX			
431	0161F00005S	JUNCTION BOX COVER			
591	11165107	ID BLOWER SHIELD			
611	0163M00049	HOSE CLAMP (QTY 2)			
701	M0326804	TUBE PLUG			
791	20194608	GASKET (QTY 2)			
811	20194606	GASKET (M1, M2, M5, M7, M8, M13)			
811	20194607	GASKET (M3, M4, M6, M9, M10, M11, M12, M14)			
891	C6455901	ELBOW - 22 1/2 ELL			
NS	0164M00003	PRESSURE SWITCH HOSE			
NS	0164M00011	PRESSURE SWITCH HOSE (M1, M2, M5, M7, M8, M13)			

Heat Exchanger / Manifold / Gas Valve

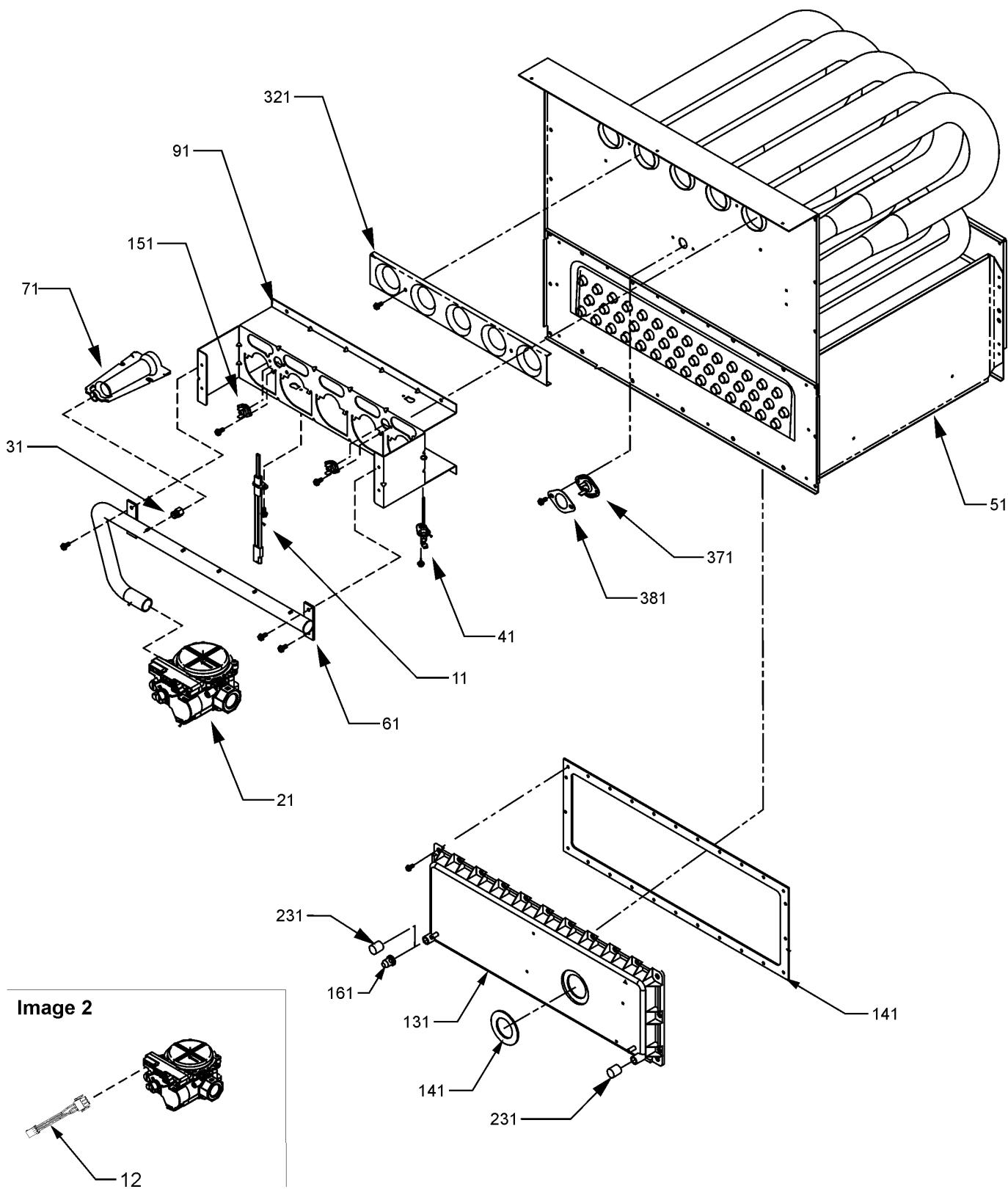
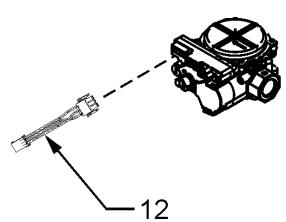


Image 2



Heat Exchanger / Manifold / Gas Valve

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		<i>Image 2:</i>	
11 0130F00008S	SINI IGNITOR	12 0259M00004	WIRE HARNESS, ADAPTOR (M2, M4, M5, M6, M8, M10, M12, M13, M14)
21 0151M00014	GAS VALVE - HONEYWELL 2-STAGE (M2, M4, M5, M6, M8, M10, M12, M13, M14)		Expanded Model Nomenclature
21 0151F00000P	GAS VALVE - WHITE-RODGERS 2-STAGE (M1, M3, M7, M9, M11)	M1 - ACVC90704CXAA	
31 10716003	ORIFICE (QTY AR)	M2 - ACVC90704CXAB	
41 0130F00010	FLAME SENSOR	M3 - ACVC90905DXAA	
51 0257F00197	HEAT EXCHANGER ASSY (M13)	M4 - ACVC90905DXAB	
51 0257F00198	HEAT EXCHANGER ASSY (M14)	M5 - ACVC950714CXAA	
51 0257F00201	HEAT EXCHANGER ASSY (M5)	M6 - ACVC950915DXAA	
51 0257F00202	HEAT EXCHANGER ASSY (M6)	M7 - GCVC90704CXAA	
51 0257F00157	HEAT EXCHANGER ASSY 3B (M1, M2)	M8 - GCVC90704CXAB	
51 0257F00160	HEAT EXCHANGER ASSY 3B (M7, M8)	M9 - GCVC90905DXAA	
51 0257F00154	HEAT EXCHANGER ASSY 4B (M3, M4)	M10 - GCVC90905DXAB	
51 0257F00156	HEAT EXCHANGER ASSY 4B (M9, M10)	M11 - GCVC91155DXAA	
51 0257F00162	HEAT EXCHANGER ASSY 5B (M11, M12)	M12 - GCVC91155DXAB	
61 20196402	MANIFOLD - 3 BRNR (M1, M2, M5, M7, M8, M13)	M13 - GCVC950714CXAA	
61 20196403	MANIFOLD - 4 BRNR (M3, M4, M6, M9, M10, M14)	M14 - GCVC950915DXAA	
61 20196404	MANIFOLD - 5 BRNR (M11, M12)		
71 10735102S	BECKETT BURNER (QTY AR)		
91 20190411	BURNER BRACKET 3B (M1, M2, M5, M7, M8, M13)		
91 20190412	BURNER BRACKET 4B (M3, M4, M6, M9, M10, M14)		
91 20190413	BURNER BRACKET 5B (M11, M12)		
131 20170901AS	FRONT COVER (M1, M2, M7, M8)		
131 20170907A	FRONT COVER (M5, M13)		
131 20171001AS	FRONT COVER (M3, M4, M9, M10)		
131 20171004AS	FRONT COVER (M11, M12)		
131 20171006A	FRONT COVER (M6, M14)		
141 0154F00001P	COIL GASKET (M1, M2, M5, M7, M8, M13)		
141 0154F00002P	COIL GASKET (M3, M4, M6, M9, M10, M11, M12, M14)		
151 10123517	MANUAL RESET LIMIT (M3, M4, M5, M6, M9, M10, M11, M12, M13, M14)		
151 10123534	MANUAL RESET LIMIT 220°F (M1, M2, M7, M8)		
161 M0326804	TUBE PLUG		
231 A1781105	CAP-VINYL .500 (QTY 2)		
321 11072202	ORIFICE SHIELD (M1, M2, M5, M7, M8, M13)		
321 11072203	ORIFICE SHIELD (M3, M4, M6, M9, M10, M14)		
321 11072204	ORIFICE SHIELD (M11, M12)		
371 0130F00105	LIMIT SWITCH (M6, M14)		
371 20162903	PRIMARY LIMIT - BLUE (M1, M2, M7, M8)		
371 20162908	PRIMARY LIMIT - GREEN (M3, M4, M9, M10)		
371 20162904	PRIMARY LIMIT-TEMPERATURE CONTROL (M5, M13)		
371 20162905	PRIMARY LIMIT-YELLOW (M11, M12)		
381 10236702	FRAME-WINDOW FUR		

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